

Notice of Allowability

Application No.

09/826,224

Examiner

AHMED ELALLAM

Applicant(s)

CHUN ET AL.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 02/28/2007.
2. ☒ The allowed claim(s) is/are 9, 12-21 and 23 respectively renumbered 1-12.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The closest prior art of records, Spartz et al, US 5,878,036; Simons et al, US 7,039,046 ; Li et al; Ji et al, US 6,496,475 and Marin et al, US 6,501,768, fails singularly or in combination to teach or suggest the following:

A base station controller system comprising (inter alias):

a system controller to allocate selected combinations of specific resources from one or more of plurality of resource pools to provide desired call processing for respective ones of calls to and from a plurality of wireless access terminals, the base station controller organized as a hub subrack comprising a central switching resource and the system controller; and at least one processing subrack to carry the plurality of resource pools, each one processing subrack comprising resources from each of the plurality of resource pools and switching resources to communicatively couple the processing subrack to the hub subrack; the switching resources on each processing subrack and the central switching resource on the hub subrack together comprising a switching fabric to communicatively couple the hub subrack with each of the at least one processing subrack, the switching fabric comprising a communication switch on the hub subrack; a communication switch on each the at least one processing subrack; and a plurality of communication links between the communication switches on the at least one processing subrack and the communication switch on the hub subrack, as indicated in independent claim 9.

A method of structuring a base station controller system wherein call processing for each call being routed through the base station controller comprises performing a plurality of call processing functions, the method comprising (inter alias):

providing a plurality of resource pools, each one of the resource pools providing one of the plurality of call processing functions; providing redundant and independent access to each of a plurality of resource pools by interconnecting the plurality of resource pools through a configurable switching fabric;

organizing the base station controller system as a rack system comprising: a hub subrack providing centralized switching resources; and one or more processing subracks, each of the one or more processing subracks carrying at least a portion of the resources from each of the plurality of resource pools and rack switching resources to interface with the hub subrack; and optimizing resource assignments for a given call being routed through the base station controller system by assigning specific resources from one or more resource pools in the plurality of resource pools to minimize the number of the one or more processing subracks used to support the given call, as indicated in independent claim 21.

Conclusion

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably


accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AHMED ELALLAM whose telephone number is (571) 272-3097. The examiner can normally be reached on 7-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H. Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AHMED ELALLAM
Examiner
Art Unit 2616
6/8/07


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SUPERVISORY PATENT EXAMINER
6/8/07